

TOL913

Inspector: Trace Armstrong
Inspection Date: 7/9/2009
Tank ID: TOL-913
IFR Seal Inspection

An inspection of the internal floating roof and seal was performed by HMT to satisfy the requirements of TCEQ Regulation V.

Visual inspection found the following:

1. Is the floating roof not resting on the surface of the liquid inside the tank and not resting on the leg supports? – No
2. Has liquid accumulated on the floating roof? – No
3. Is the seal detached? – No
4. Are there holes or tears in the seal fabric? –No
5. Are there visible gaps between the seal and the wall of the storage tank? If so, are the visible gaps exceeding the allowable gap area between the seal and the wall of the storage tank? – No
6. Is the bleeder vent closed? Not Visible

Additional Comments/Summary of Inspection Findings:

Aluminum roof with mechanical shoe seal and primary fabric.

The visual inspection will be credited at this. The inspection will be due in 12 months.

TOL913

January 22, 2009
External Inspection

Summary:

A visual external inspection in accordance with API 653 and Shell Standards was performed on TOL-913 a Class A Pygas inverted cone internal floating roof tank with the following conditions noted:

The stairs and handrails were in good serviceable condition.

The roof was in the as previously noted condition coating failure and (minor isolated corrosion) with the exception of the water ponding.

The shell was in good serviceable condition with only minor coating failure.

Other:

All nozzles were in good condition with no issues noted.

No leaks were found during this inspection.

Based on the condition of this tank during the inspection the external inspection interval of 60 months shall remain the same.

Jason Allen
Shell PEI

INSPECTION BY: - MWP
TIME CODE (NAME): On Stream
DAYS DOWN: 120
REASON DOWN: ROOF SEAL REPLACEMENT

TITLE: 03-95 API-653 INS PECTION

BASIS THE PREVIOUS ROOF SEAL INSPECTION, THIS TANK WAS
EMPTIED TO REPLACE THE SEAL. A NEW MECHANICAL WIPER
SEAL WAS INSTALLED ALONG WITH FLOATING ROOF
MODIFICATIONS WHICH INCLUDED INSTALLING NEW

PONTOONS.

THE OPPORTUNITY WAS TAKEN TO PERFORM A FULL API-653
INSPECTION INCLUDING SURVEY FOR SETTLEMENT AND A 100%
FLOOR SCAN USING MAGNETIC FLUX LEAKAGE WITH

ULTRASONIC

FOLLOW-UP. HMT PERFORMED THE SCAN. TWENTY-SEVEN (27)
LEAKS/NEAR LEAKS WERE DISCOVERED DUE TO TOPSIDE
PITTING. UNDERSIDE CORROSION WAS MINIMAL. THE FLOOR OF
THIS TANK HAD BEEN EXTENSIVELY PATCHED PREVIOUSLY

AND

MANY OF THE PITTED AREAS WERE IN THE PATCH PLATES AS
WELL AS IN THE ORIGINAL FLOOR. THE FLOOR WAS REPAIRED
BY PATCHING/REPATCHING THE PITTED AREAS AND APPLYING

A

FIBERGLASS COATING TO THE ENTIRE FLOOR.
THE INTERNAL INTERVAL FOR FULL API-653 INSPECTION IS
SET AT 15 YEARS. THE EXTERNAL INPECTION INTERVAL WILL
REMAIN AT ONE YEAR TO CONDUCT FLOATING ROOF SEAL
INSPECTION.

M.W. PEPPER